CLAIM 1. An integrated cooling device, comprising:

a reservoir configured to contain a liquid coolant;

a pump disposed within said reservoir, said pump being configured to circulate said liquid coolant between said reservoir and a heat source; and

a fan configured to provide a flow of air across said circulating liquid coolant.

CLAIM 2. The integrated cooling device of claim 1 wherein said liquid coolant is circulated through a tubing arrangement.

CLAIM 3. The integrated cooling device of claim 1 further comprising a motor disposed within said reservoir, said motor being operably connected to said pump and said fan.

CLAIM 4. A cooling unit configured to circulate a liquid coolant, said cooling unit comprising:

a reservoir configured to contain said liquid coolant;

a tubing arrangement disposed at an outer surface of said reservoir, said tubing arrangement being fluidly communicable with a heat exchanging device;

a pump disposed within said reservoir, said pump being configured to circulate said liquid coolant through said tubing arrangement to said heat exchanging device; and

a fan configured to provide a flow of air across said tubing arrangement.

CLAIM 5. The cooling unit of claim 4 further comprising a motor disposed within said reservoir, said motor being operably connected to said pump and said fan.

CLAIM 6. The cooling unit of claim 4 wherein said tubing arrangement is coiled over said outer surface of said reservoir.

CLAIM 7. The cooling unit of claim 4 wherein said fan is configured to provide a forced induction of air over said tubing arrangement.

CLAIM 8. The cooling unit of claim 4 further comprising a plurality of fins disposed over said tubing arrangement, said fins extending longitudinally in a direction of said flow of air across said tubing arrangement.

CLAIM 9. The cooling unit of claim 8 wherein said fins are tubular in structure.

CLAIM 10. The cooling unit of claim 9 wherein said tubularly structured fins are open at the ends thereof, thereby allowing said flow of air to be maintained within said fins.

CLAIM 11. The cooling unit of claim 8 wherein said fins are fabricated from copper, copper alloys, aluminum, aluminum alloys, and combinations of the foregoing materials.

CLAIM 12. The cooling unit of claim 8 further comprising a shroud disposed over said fins.

CLAIM 13. The cooling unit of claim 12 wherein said shroud defines a primary air inlet at a lower end thereof.

CLAIM 14. The cooling unit of claim 12 wherein said shroud includes a secondary air inlet disposed therein, said secondary air inlet being configured to allow for airflow communication between opposing sides of said shroud.

CLAIM 15. The cooling unit of claim 14 wherein said secondary air inlet is positioned on said shroud to register with a space defined by adjacently positioned fins.

CLAIM 16. The cooling unit of claim 14 wherein said secondary air inlet includes an air directing tab associated therewith, said air directing tab being configured to channel air into said secondary air inlet upon a forced induction of air by said fan.

CLAIM 17. The cooling unit of claim 12 wherein said shroud is fabricated from a material selected from the group consisting of plastic, metal, fiberglass, and combinations of the foregoing materials.

CLAIM 18. The cooling unit of claim 4 further comprising a cover disposed over said fan.

CLAIM 19. The cooling unit of claim 18 wherein said cover comprises,

a frame, and

a plurality of vanes pivotally mounted within said frame, said vanes being configured to rotate into an open position in response to an airflow generated by said fan.

CLAIM 20. A thermal dissipation system, comprising:

a heat exchanging unit; and

a cooling unit disposed in fluid communication with said heat exchanging unit, said cooling unit comprising,

a reservoir,

a pump disposed within said reservoir, said pump being configured to circulate a liquid coolant between said reservoir and said heat exchanging unit, and

a fan configured to remove heat from said liquid coolant.

CLAIM 21. The thermal dissipation system of claim 20 wherein said heat exchanging unit is a cold plate.

CLAIM 22. The thermal dissipation system of claim 21 wherein said cold plate is disposed in communication with electronic circuitry.

CLAIM 23. The thermal dissipation system of claim 20 wherein said cooling unit further comprises a motor disposed in operable communication with said pump and said fan, said motor being disposed within said reservoir.